



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

S176063

D2573

Job Sheet 191027



Part No: D2573

Job Qty: 12 pcs

Part Name: Saddle, Aft, Out



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/20/19

Job Tracking No:

Due Date: 3/18/19

Created By: Marie Lajeunesse

Type: Stock *SOLD*

Description:

Note: DWG REV F IPP: I As Per RevE 06-01-27 JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time	Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier			
100	HAAS 4 Axis <i>B4B</i>	12 pcs	3/18/19		1.01	20.00	HAAS - 1			
							HAAS - 2			
							HAAS - 3 <i>B4B</i>			<i>SBL 19/04/27</i>
							HAAS - 4			
110	Conventional Mill - 1 - B4B	12 pcs	3/18/19		0.00	2.00	Conventional Mill - 1 - B4B			<i>SBL 19/05/02</i>
							Conventional Mill - 2 - B4B			
130	QC 8	12 pcs	3/18/19		0.00	0.00	QC 8 - 12			
							QC 8 - 14			
							QC 8 - 17			
							QC 8 - 20			
							QC 8 - 25			
							QC 8 - 3			
							QC 8 - 32			
							QC 8 - 33			
							QC 8 - 35			
							QC 8 - 39			
							QC 8 - 4			
							QC 8 - 44			
							QC 8 - 45			
140	Handfinish - 1-1 Chemical-B4B	12 pcs	3/18/19		0.00	0.56	QC 8 - 49			
							QC 8 - 58			
							QC 8 - 8			<i>19-05-06</i>
							QC 8 - 9			
							QC 8 - 68			
							QC 8 - 67			
							QC 8 - 1 (A)			
							QC 8 - 47			
							Handfinish - 1 - 1 - B4B			
							Handfinish - 1 - 2 - B4B			
							Handfinish - 1 - 3 - B4B			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S176063



Part: D2573

Job No: 191027

Serial No/Batch: S176063

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 04/29/19

Plex 2/20/19 2:57 PM Dart.lajeunesse.marie

				Handfinish - 1 - 4 - B4B	
				Handfinish - 1 - 5 - B4B	
				Handfinish - 1 - 6 - B4B	
				Handfinish - 1 - 7 - B4B	
				Handfinish - 1 - 8 - B4B	
				Handfinish - 1 - 9 - B4B	
				Handfinish - 1 - 10 - B4B	D.P 19/05/06
				Handfinish - 1 - 11 - B4B	
				Handfinish - 1 - 12 - B4B	
				Handfinish - 1 - 13 - B4B	
				Handfinish - 1 - 14 - B4B	
				Handfinish - 1 - 15 - B4B	
				Handfinish - 1 - 16 - B4B	
				Handfinish - 1 - 17 - B4B	
				Handfinish - 1 - 18 - B4B	
				Handfinish - 1 - 19 - B4B	
				Handfinish - 1 - 20 - B4B	
				Handfinish - 1 - 21 - B4B	
				Handfinish - 1 - 22 - B4B	
150 Powdercoat - 1 White Gl(A)- B4B	12 pcs	3/18/19	0.00 0.46	Powdercoat - 1 - B4B	
				Powdercoat - 2 - B4B	
				Powdercoat - 3 - B4B	B419-5-6
				Powdercoat - 4 - B4B	
160 QC 3	12 pcs	3/18/19	0.00 0.00	QC 3 - 10	
				QC 3 - 13	
				QC 3 - 15	
				QC 3 - 17	
				QC 3 - 18	
				QC 3 - 2	
				QC 3 - 26	
				QC 3 - 28	
				QC 3 - 3	
				QC 3 - 30	
				QC 3 - 34	
				QC 3 - 36	
				QC 3 - 41	
				QC 3 - 51	
				QC 3 - 58	
				QC 3 - 59	
				QC 3 - 6	
				QC 3 - 68	
				QC 3 - 9	
170 Packaging 3-1 - Stock - B4B	12 pcs	3/18/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	

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					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
180 QC 21 - SA	12 pcs	3/18/19	0.00	0.00	QC 21 - SA - 21	
					QC 21 - SA - 70	
					QC 21 - SA - 53	

DAS
21 MAY 07 2019
3-38

Part Op **100** - (HAAS CNC vertical machine #1) Program Batch No. **5176063**
 Descriptions: **110** - (Manufacture as per dwg) Machine keyway as per dwg D2573 & D2574
130 - (QC8- Inspect parts - second check)
140 - (Chemical Conversion Coat per QSI005 4.1)
150 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum) START TIME: _____
160 - (QC3- Inspect Part Finish)
170 - (Identify as per dwg & Stock Location: _____)
180 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D6101-007	Saddle Billet	12 pcs (1 ea)	100-HAAS 4 Axis	5160593

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-HAAS 4 Axis	D6101-007	12	23	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Saddle, Aft Outboard	0.438Inches + 0.005 - 0.000	0.443 0.438		
2	Saddle, Aft Outboard	1.745Inches + 0.010 - 0.000	1.755 1.745		
3	Saddle, Aft Outboard	3.495Inches + 0.010 - 0.000	3.505 3.495		
4	Saddle, Aft Outboard	1.745Inches + 0.010	1.755		

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			- 0.000	1.745
5	Saddle, Aft Outboard	7.990Inches	+ 0.020 - 0.000	8.010 7.990
6	Saddle, Aft Outboard	0.490Inches	+ 0.020 - 0.000	0.510 0.490
7	Saddle, Aft Outboard	0.257Inches	+ 0.005 - 0.000	0.262 0.257
8	Saddle, Aft Outboard	0.375Inches	+ 0.005 - 0.000	0.380 0.375
9	Saddle, Aft Outboard	0.490Inches	+ 0.020 - 0.000	0.510 0.490
10	Saddle, Aft Outboard	1.174Inches	+ 0.010 - 0.000	1.184 1.174
11	Saddle, Aft Outboard	0.558Inches	+ 0.020 - 0.000	0.578 0.558
12	Saddle, Aft Outboard	1.174Inches	+ 0.010 - 0.000	1.184 1.174
13	Saddle, Aft Outboard	1.365Inches	+ 0.010 - 0.000	1.375 1.365
14	Saddle, Aft Outboard	2.495Inches	+ 0.010 - 0.000	2.505 2.495
15	Saddle, Aft Outboard	4.119Inches	+ 0.010 - 0.000	4.129 4.119
16	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
17	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
18	Saddle, Aft Outboard	0.240Inches	+ 0.020 - 0.000	0.260 0.240
19	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
20	Saddle, Aft Outboard	0.178Inches	+ 0.020 - 0.000	0.198 0.178
21	Saddle, Aft Outboard	3.210Inches	+ 0.040 - 0.000	3.250 3.210
22	Saddle, Aft Outboard	0.230Inches	+ 0.020 - 0.000	0.250 0.230
23	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
24	Saddle, Aft Outboard	0.308Inches	+ 0.005 - 0.000	0.313 0.308
25	Saddle, Aft Outboard	0.760Inches	+ 0.005 - 0.000	0.765 0.760
26	Saddle, Aft Outboard	0.352Inches	+ 0.020 - 0.000	0.372 0.352
27	Saddle, Aft Outboard	0.470Inches	+ 0.060 - 0.000	0.530 0.470
28	Saddle, Aft Outboard	0.615Inches	+ 0.020 - 0.000	0.635 0.615
29	Saddle, Aft Outboard	0.053Inches	+ 0.020 - 0.000	0.073 0.053
30	Saddle, Aft Outboard	0.240Inches	+ 0.020 - 0.000	0.260 0.240
31	Saddle, Aft Outboard	1.500Inches	+ 0.020 - 0.000	1.520 1.500
32	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
33	Saddle, Aft Outboard	0.240Inches	+ 0.040 - 0.000	0.280 0.240
34	Saddle, Aft Outboard	0.240Inches	+ 0.020 - 0.000	0.260 0.240
35	Saddle, Aft Outboard	2.000Inches	+ 0.020 - 0.000	2.020 2.000
36	Saddle, Aft Outboard	0.023Inches	+ 0.020 - 0.000	0.043 0.023

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

DART AEROSPACE LTD	Work Order: 191027
Description: Saddle, Aft Outboard	Part Number: D2573
Inspection Dwg: D2573 Rev. F	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				1	2	3	4		
A	0.438	0.443		0.438	0.438	0.438	0.438		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		7.998	7.998	8.000	8.000		
F	0.490	0.510		0.500	0.501	0.500	0.503		
G	0.257	0.262		0.258	0.258	0.258	0.258		
H	0.375	0.380		0.376	0.376	0.376	0.376		
I	0.490	0.510		0.502	0.501	0.502	0.501		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		0.569	0.568	0.570	0.569		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.365	1.375		1.370	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	4.119	4.129		4.124	4.125	4.124	4.124		
P	0.115	0.135		0.132	0.128	0.132	0.130		
Q	0.115	0.135		0.126	0.125	0.125	0.125		
R	0.240	0.260		0.251	0.251	0.251	0.251		
S	0.115	0.135		0.129	0.129	0.129	0.130		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.230	3.230	3.230	3.230		
V	0.230	0.250		0.240	0.239	0.239	0.240		
W	0.115	0.135		0.133	0.135	0.135	0.134		
X	0.308	0.313		0.310	0.310	0.311	0.311		
Y	0.760	0.765		0.760	0.760	0.760	0.760		
Z	0.352	0.372		0.360	0.367	0.364	0.363		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.625	0.625	0.625	0.626		
AC	0.053	0.073		0.064	0.064	0.067	0.063		
AD	0.240	0.260		0.250	0.249	0.250	0.250		
AE	1.500	1.520		1.510	1.510	1.510	1.510		
AF	0.115	0.135		0.120	0.120	0.124	0.125		
AG	0.240	0.280		0.250	0.250	0.250	0.250		
AH	0.240	0.260		0.250	0.251	0.249	0.250		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by: SB
Date: 19/04/29

Audited by: B.E
Date: 19-05-06

Rev	Date	Change	Revised by	Approved
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	
F	13.03.07	Dwg Rev updated	KJ	

DART AEROSPACE LTD		Work Order: 191002
Description: Saddle, Aft Outboard		Part Number: D2573
Inspection Dwg: D2573 Rev. F		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	15	26	37	48	By	Date
A	0.438	0.443		0.438	0.438	0.438	0.438		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.001	8.000	8.000	8.001		
F	0.490	0.510		0.502	0.500	0.504	0.505		
G	0.257	0.262		0.258	0.258	0.258	0.258		
H	0.375	0.380		0.375	0.375	0.375	0.375		
I	0.490	0.510		0.500	0.5025	0.5015	0.5015		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		0.568	0.569	0.569	0.568		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.365	1.375		1.370	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	4.119	4.129		4.124	4.124	4.124	4.124		
P	0.115	0.135		0.132	0.131	0.131	0.130		
Q	0.115	0.135		0.1250	0.126	0.125	0.125		
R	0.240	0.260		0.250	0.252	0.250	0.250		
S	0.115	0.135		0.129	0.129	0.130	0.128		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.250	3.250	3.250	3.250		
V	0.230	0.250		0.240	0.240	0.240	0.240		
W	0.115	0.135		0.131	0.131	0.131	0.130		
X	0.308	0.313		0.312	0.311	0.312	0.3115		
Y	0.760	0.765		0.760	0.760	0.760	0.760		
Z	0.352	0.372		0.363	0.363	0.363	0.363		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.627	0.627	0.627	0.626		
AC	0.053	0.073		0.068	0.068	0.068	0.068		
AD	0.240	0.260		0.251	0.252	0.250	0.250		
AE	1.500	1.520		1.510	1.510	1.510	1.510		
AF	0.115	0.135		0.128	0.130	0.130	0.130		
AG	0.240	0.280		0.260	0.260	0.260	0.250		
AH	0.240	0.260		0.250	0.251	0.252	0.250		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by: <i>WJS</i>
Date: 19/5/1

Audited by: <i>HA</i>
Date: 19-05-06

Rev	Date	Change	Revised by	Approved
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	
F	13.03.07	Dwg Rev updated	KJ	<i>HA</i>

DART AEROSPACE LTD	Work Order: 191 027
Description: Saddle, Aft Outboard	Part Number: D2573
Inspection Dwg: D2573 Rev. F	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				1 9	2 10	3 11	4 12		
A	0.438	0.443		0.438	0.438	0.438	0.438		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.001	8.000	8.000	8.000		
F	0.490	0.510		0.505	0.505	0.504	0.504		
G	0.257	0.262		0.258	0.258	0.258	0.258		
H	0.375	0.380		0.375	0.375	0.375	0.375		
I	0.490	0.510		0.5025	0.505	0.502	0.502		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		0.568	0.569	0.570	0.569		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.365	1.375		1.370	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	4.119	4.129		4.124	4.124	4.124	4.124		
P	0.115	0.135		0.132	0.132	0.131	0.131		
Q	0.115	0.135		0.126	0.126	0.126	0.125		
R	0.240	0.260		0.251	0.251	0.252	0.251		
S	0.115	0.135		0.128	0.130	0.130	0.130		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.230	3.230	3.230	3.230		
V	0.230	0.250		0.239	0.2415	0.243	0.240		
W	0.115	0.135		0.134	0.130	0.130	0.130		
X	0.308	0.313		0.3115	0.3115	0.311	0.311		
Y	0.760	0.765		0.760	0.760	0.760	0.760		
Z	0.352	0.372		0.363	0.363	0.363	0.363		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.626	0.627	0.627	0.627		
AC	0.053	0.073		0.065	0.063	0.065	0.065		
AD	0.240	0.260		0.251	0.251	0.253	0.250		
AE	1.500	1.520		1.510	1.510	1.510	1.510		
AF	0.115	0.135		0.130	0.130	0.130	0.130		
AG	0.240	0.280		0.250	0.250	0.250	0.250		
AH	0.240	0.260		0.251	0.250	0.250	0.250		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.034	0.034	0.034	0.033		
Accept/Reject									

Measured by: <i>VHJ</i>
Date: 19/5/11

Audited by: <i>Mr</i>
Date: 19-05-06

Rev	Date	Change	Revised by	Approved
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	
F	13.03.07	Dwg Rev updated	KJ	